

ABSTRACT OF THE DISCLOSURE

A method and apparatus for re-shaping portions of a coating applied to the surface of a component includes a collet having a threaded first end and a second end that is slotted to define a plurality of flexible arms. A wheel is rotatably supported on each of the arms of the collet such that a portion of the outer surface thereof extends radially inwardly from the inner surface of the collet. Such outer surfaces are formed having a shape, such as plurality of circumferential ridges, that corresponds to the desired new shape for the coating. The tool is initially installed by disposing the collet co-axially about the component. Then, a sleeve is disposed co-axially about the collet.

Next, a nut is threaded onto the threaded first end of the collet. As the nut is threaded onto the collet, it engages and moves the sleeve axially toward the arms of the collet, causing the arms to be compressed radially inwardly toward one another such that the outer circumferential surfaces of the wheels engage the coating provided on the outer surface of the component. As a result, the coating is re-shaped to have a desired final shape. The tool as a whole can then be moved axially back and forth along the surface of the component to re-shape the entire length of the coating thereon.